## Status:
- Pending Backport

## Priority:
- Normal

## Assignee:
- Casey Bodley

## Category:

## Target version:

## Source:

## Tags:

## Backport:
- nautilus

### Description

**Motivation:**
cls_log and cls_rgw are currently implementing trim by listing 1000 entries with cls_cxx_map_get_vals(), then making a separate call to cls_cxx_map_remove_key() for each key. Although trim isn't generally a bottleneck, this has been observed to take longer than the osd_op_thread_suicide_timeout when omaps are very large.

**Proposal:**
A new cls_cxx_map_remove_key_range() for the cls api, along with the corresponding operation in librados.

### Related Issues:

- Related to rgw - Bug #42594: old bucket index shard removal is too aggressive
- Copied to Ceph - Backport #42183: nautilus: RFE: expose OP_OMAP_RMKEYRANGE in...

### History

#### #1 - 05/19/2017 10:11 PM - Casey Bodley
- Status changed from New to In Progress
- Assignee set to Casey Bodley

[https://github.com/ceph/ceph/pull/15183](https://github.com/ceph/ceph/pull/15183)

#### #2 - 08/13/2019 08:43 PM - Vikhyat Umrao
- Pull request ID set to 15183

#### #3 - 10/04/2019 12:08 AM - Vikhyat Umrao
- Status changed from In Progress to Pending Backport
- Backport set to nautilus

#### #4 - 10/04/2019 09:09 AM - Nathan Cutler
- Copied to Backport #42183: nautilus: RFE: expose OP_OMAP_RMKEYRANGE in librados and cls added

#### #5 - 01/09/2020 04:05 PM - Casey Bodley
- Related to Bug #42594: old bucket index shard removal is too aggressive added